

IFNGR1 (aa181-193) Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3985a**Specification**

IFNGR1 (aa181-193) Antibody (internal region) - Product Information

Application	WB
Primary Accession	P15260
Other Accession	NP_000407.1 , 3459
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	54405

IFNGR1 (aa181-193) Antibody (internal region) - Additional Information**Gene ID** 3459**Other Names**

Interferon gamma receptor 1, IFN-gamma receptor 1, IFN-gamma-R1, CDw119, CD119, IFNGR1

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IFNGR1 (aa181-193) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

IFNGR1 (aa181-193) Antibody (internal region) - Protein Information**Name** IFNGR1 ([HGNC:5439](#))**Function**

Receptor subunit for interferon gamma/INFG that plays crucial roles in antimicrobial, antiviral, and antitumor responses by activating effector immune cells and enhancing antigen presentation (PubMed: [20015550](http://www.uniprot.org/citations/20015550)). Associates with transmembrane accessory factor IFNGR2 to form a functional receptor (PubMed: [10986460](http://www.uniprot.org/citations/10986460), PubMed: [2971451](http://www.uniprot.org/citations/2971451), PubMed: [7615558](http://www.uniprot.org/citations/7615558), PubMed: [7617032](http://www.uniprot.org/citations/7617032)).

PubMed:7673114). Upon ligand binding, the intracellular domain of IFNGR1 opens out to allow association of downstream signaling components JAK1 and JAK2. In turn, activated JAK1 phosphorylates IFNGR1 to form a docking site for STAT1. Subsequent phosphorylation of STAT1 leads to dimerization, translocation to the nucleus, and stimulation of target gene transcription (PubMed:28883123). STAT3 can also be activated in a similar manner although activation seems weaker. IFNGR1 intracellular domain phosphorylation also provides a docking site for SOCS1 that regulates the JAK-STAT pathway by competing with STAT1 binding to IFNGR1 (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein

IFNGR1 (aa181-193) Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IFNGR1 (aa181-193) Antibody (internal region) - Images



AF3985a (0.3 µg/ml) staining of HepG2 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

IFNGR1 (aa181-193) Antibody (internal region) - References

Interferon-signaling pathway: associations with colon and rectal cancer risk and subsequent survival. Slattery ML, Lundgreen A, Bondurant KL, Wolff RK. Carcinogenesis. 2011 Nov;32(11):1660-7. PMID: 21859832